AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): A pressure-sensing connector intended more particularly for an endoscopy system, comprising a fluid communication path ~~(19, 21)~~, a blind compartment ~~(39a, 39b)~~ that opens onto the communication path ~~(19, 21)~~ via a duct ~~(41a, 41b)~~ and is closed off by a membrane ~~(37a, 37b)~~ that deforms according to the pressure in the communication path ~~(19, 21)~~, and a means for transmitting a quantity representative of the pressure in the communication path according to the deformation of the membrane, ~~characterized in that~~ wherein the communication path ~~(19, 21)~~, the duct ~~(41a, 41b)~~ and the blind compartment ~~(39a, 39b)~~ are formed in the same rigid part ~~(43)~~ to which the membrane ~~(37a, 37b)~~ is attached.

2. (Currently Amended): The connector as claimed in claim 1, ~~characterized in that~~ wherein two communication paths ~~(19, 21)~~ and two blind compartments ~~(39a, 39b)~~ are formed in the rigid part ~~(43)~~, each blind compartment opening onto one of the two communication paths ~~(19, 21)~~ and each being closed off by a membrane ~~(37a, 37c)~~ attached to the rigid part ~~(43)~~.

3. (Currently Amended): The connector as claimed in claim 2, ~~characterized in that~~ wherein each blind compartment ~~(39a, 39b)~~ opens onto each communication path ~~(19, 21)~~, respectively.

4. (Currently Amended): The connector as claimed in claim 2, ~~characterized in that~~ wherein the two blind compartments ~~(39a, 39b)~~ open onto the same communication path ~~(19)~~.

5. (Currently Amended): The connector as claimed in claim 1 [[or 2]], ~~characterized in that~~ wherein the membrane closes off both the blind compartment ~~(39a, 39b)~~ and a pressure-transmitting chamber ~~(35a, 35b)~~, connected to the rigid part ~~(43)~~, in order to convert the deformation of the membrane ~~(37a, 37b)~~ into a pressure representative of the pressure in the communication path ~~(19, 21)~~.

6. (Currently Amended): The connector as claimed in claim 5, ~~characterized in that~~ wherein the pressure-transmitting chamber ~~(35a, 35b)~~ is filled with air in order to convert the deformation of the membrane ~~(37a, 37b)~~ into an air pressure.

7. (Currently Amended): The connector as claimed in claim 1 [[or 2]], ~~characterized in that~~ wherein the rigid part ~~(43)~~ is provided with a polarizing feature ~~(45)~~.

8. (Currently Amended): The connector as claimed in claim 1 [[or 2]], ~~characterized in that~~ wherein the rigid part ~~(43)~~ is made of injection-molded plastic.

9. (New): The connector as claimed in claim 2, wherein the membrane closes off both the blind compartment and a pressure-transmitting chamber, connected to the rigid part, in order to

convert the deformation of the membrane into a pressure representative of the pressure in the communication path.

10. (New): The connector as claimed in claim 9, wherein the pressure-transmitting chamber is filled with air in order to convert the deformation of the membrane into an air pressure.

11. (New): The connector as claimed in claim 2, wherein the rigid part is provided with a polarizing feature.

12. (New): The connector as claimed in claim 2, wherein the rigid part is made of injection-molded plastic.